

**Flood Control Project Maintenance
Levee Inspections**

Fall 2009 Levee Maintenance Deficiency Summary Report

Overall LMA & Unit Ratings, including DWR Erosion Survey

San Joaquin River Basin

RD2063	Overall LMA Rating	Total LMA Miles				
Reclamation District No. 2063 Crows Landing	U	10.63				
Rated Item	M Miles	U Miles	M + 4U Miles	Threshold %	Encroachments	
Vegetation	2.66	0.01	2.70	25.40%		
Trim / Thin Trees	0.04		0.04	0.38%		
Encroachments		0.01	0.04	0.38%		
Animal Control	0.04	0.07	0.32	3.01%		
Crown Surface / Depressions / Rutting	0.24		0.24	2.26%		
Flap Gates	0.01		0.01	0.09%		
Sluice / Slide Gates	0.01		0.01	0.09%		
DWR Erosion Survey	0.01		0.01	0.09%		
<i>LMA Totals:</i>	3.01	0.09	3.37	31.70%	0.00	0.00

**Flood Control Project Maintenance
Levee Inspections**
LMA District Cover Sheet
Fall 2009 Levee Inspection Results

Reclamation District No. 2063 Crows Landing

	Spring (March - May)	Summer ** (June - August)	Fall (September - November)	Winter ** (December - February)
* Overall LMA Rating (Fall Only)			U	

** Non-receipt of Summer or Winter Inspection Reports may effect overall annual rating.

*
SPRING INSPECTIONS: Overall maintenance ratings are not determined for the spring inspection results. Individual maintenance deficiencies are rated using the same criteria in the spring and in the fall.

FALL INSPECTIONS: The overall maintenance rating shown above is based on operation and maintenance deficiencies identified within the attached unit inspection reports.

Comments

**Flood Control Project Maintenance
Levee Inspections**

Unit Cover Sheet

Fall 2009 Levee Inspection Results

Reclamation District No. 2063 Crows Landing

Waterway			Bank	Unit Miles
Unit No. 01 San Joaquin River			Right	10.63
	Spring (March - May)	Summer (June - August)	(September - November) Fall	Winter (December - February)
Unit Maintenance Rating (Fall Only)			U	
Date of Inspection	3/30/2009		11/4/2009	
DWR Inspector	Richard Willoughby		Richard Willoughby	
Accompanied By				

Check one:

- ☐ During the current winter (or summer) inspection period, my staff or I have inspected the levee and associated flood project components identified in the attached Levee Inspection Report by Mile. We have found no changes in flood project conditions other than the results of our normal maintenance and the corrections we have made to maintenance deficiencies identified in the enclosed report.
- ☐ During the current winter (or summer) inspection period, my staff or I have inspected the levee and associated flood project components identified in the attached Levee Inspection Report by Mile. In addition to the results of our normal maintenance and the corrections we have made to maintenance deficiencies identified in the report, we have found the following changes in flood project conditions.

(In the comment section below or on additional sheet(s), identify change of condition by: Start to End Levee Mile or GPS coordinates, location (Land Side, Water Side, or Crown), Item identification, and description of the current condition).

Comments

One of the boxes above is to be checked by the Local Maintaining Agency (LMA). If the second box is checked, additional information must also be submitted. This Unit Cover Sheet should be signed and dated by the LMA Representative and returned to DWR with any additional sheets by September 30 (Summer Inspection) or March 31 (Winter Inspection). Please retain a copy for your records. Please mail all of this information to :

DWR Summer/Winter Inspection Reports
3310 El Camino Avenue, Room LL-30
Sacramento, CA 95821-9000

X

Signature of LMA Representative

Date

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2009

Reclamation District No. 2063 Crows Landing

Waterway					Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River					Right	10.63	11/04/2009 11/04/2009	Richard Willoughby

LMR No	Levee Mile		Category	Item	Location	Rating	Action/Comment	GPS Latitude/Longitude		Issue No. Photo
	Start	End						Start	End	
1	0.59	0.60	Earthen Levee	Encroachments	WS	C	Material Inspector Comments: concrete rubble with rebar ,rebar should be removed.	37.470788 ° -121.043670 °	37.470677 ° -121.043508 °	3
2	1.19	1.19	Earthen Levee	Animal Control	LS	M	Exterminate rodents and backfill and compact or grout burrows.	37.465688 ° -121.034907 °	37.465688 ° -121.034907 °	969
3	1.33	1.33	Earthen Levee	Animal Control	LS	M	No rodents visible, but rodent burrows visible; need to backfill and compact or grout borrows.	37.464643 ° -121.032930 °	37.464643 ° -121.032930 °	970
4	1.39	1.39	Earthen Levee	Animal Control	LS	M	No rodents visible, but rodent burrows visible; need to backfill and compact or grout borrows.	37.463875 ° -121.032355 °	37.463875 ° -121.032355 °	971
5	1.45	1.53	Earthen Levee	Vegetation	LS	M	Remove the wild growth other than native grasses from the levee slopes.	37.463015 ° -121.032119 °	37.461889 ° -121.031872 °	976
6	1.75	1.82	Earthen Levee	Vegetation	LS	M	Remove the wild growth other than native grasses from the levee slopes.	37.459155 ° -121.033177 °	37.458255 ° -121.033636 °	977
7	1.86	1.89	Earthen Levee	Vegetation	WS	M	Remove the wild growth other than native grasses from the levee slopes.	37.457686 ° -121.033706 °	37.457258 ° -121.033720 °	978
8	1.89	1.89	Earthen Levee	Encroachments	LS	C	Garbage Inspector Comments: Garbage should be removed landward toe.	37.457160 ° -121.033743 °	37.457160 ° -121.033743 °	5
9	1.92	1.92	Interior Drainage & Piping Systems	Sluice / Slide Gates	WS	M	Inspector Comments: Screw gate buried, not able to operate.	37.456745 ° -121.033795 °	37.456745 ° -121.033795 °	6 Y
10	2.09	2.09	Earthen Levee	Trim / Thin Trees	LS	M	Trim trees to at least five feet above ground level.	37.454593 ° -121.032530 °	37.454593 ° -121.032530 °	972
11	2.50	2.58	Earthen Levee	Vegetation	WS	M	Remove the wild growth other than native grasses from the levee slopes.	37.450043 ° -121.028317 °	37.449244 ° -121.027296 °	979
12	2.52	2.58	Earthen Levee	Vegetation	LS	M	Remove the wild growth other than native grasses from the levee slopes.	37.449855 ° -121.028047 °	37.449244 ° -121.027300 °	980
13	2.66	2.70	Earthen Levee	Vegetation	LS	M	Remove the wild growth other than native grasses from the levee slopes.	37.448274 ° -121.026543 °	37.447768 ° -121.026210 °	981
14	2.66	2.66	Interior Drainage & Piping Systems	Flap Gates	WS	M	Inspector Comments: District should remove vegetation to allow proper function of flap gate.	37.448247 ° -121.026508 °	37.448247 ° -121.026508 °	8 Y
15	2.72	2.72	Supplemental DWR Erosion Survey		WS	M	Inspector Comments: [2009 SiteID:RD2063U1RM105.5]	37.447450 ° -121.026090 °	37.447450 ° -121.026090 °	1

*** Location**

LS : Land Side
WS : Water Side
CR : Crown

**** Rating**

A : Acceptable
M : Minimally Acceptable
U : Unacceptable
PO : Partially Obstructing
CO : Completely Obstructing
N : Not Inspected
C : Corrected

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2009

Reclamation District No. 2063 Crows Landing

Waterway					Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River					Right	10.63	11/04/2009 11/04/2009	Richard Willoughby

LMR No	Levee Mile		Category	Item	Location	Rating	Action/Comment	GPS Latitude/Longitude		Issue No. Photo
	Start	End						Start	End	
16	2.72	2.79	Earthen Levee	Animal Control	LS	U	Repair the levee slope damaged by livestock and prevent large animal access.	37.447512 ° -121.026050 °	37.446574 ° -121.025643 °	982
17	2.79	2.83	Earthen Levee	Vegetation	LS	M	Remove the wild growth other than native grasses from the levee slopes.	37.446574 ° -121.025640 °	37.446007 ° -121.025568 °	983
18	3.10	3.24	Earthen Levee	Vegetation	WS	M	Remove the wild growth other than native grasses from the levee slopes.	37.442672 ° -121.024784 °	37.442259 ° -121.022331 °	984
19	3.20	3.26	Earthen Levee	Vegetation	LS	M	Remove the wild growth other than native grasses from the levee slopes.	37.442390 ° -121.023028 °	37.442137 ° -121.022011 °	985
20	3.56	3.56	Earthen Levee	Animal Control	WS	M	Exterminate rodents and backfill and compact or grout burrows.	37.438504 ° -121.019079 °	37.438504 ° -121.019079 °	973
21	3.67	3.67	Earthen Levee	Vegetation	LS	U	Remove the wild growth other than native grasses from the levee slopes.	37.437194 ° -121.018104 °	37.437194 ° -121.018104 °	986
22	3.69	3.81	Earthen Levee	Vegetation	LS	M	Remove the wild growth other than native grasses from the levee slopes.	37.436953 ° -121.017913 °	37.435856 ° -121.016290 °	987
23	3.94	4.10	Earthen Levee	Vegetation	WS	M	Remove the wild growth other than native grasses from the levee slopes.	37.434654 ° -121.014525 °	37.432596 ° -121.013330 °	988
24	3.96	4.14	Earthen Levee	Vegetation	LS	M	Remove the wild growth other than native grasses from the levee slopes.	37.434410 ° -121.014293 °	37.432092 ° -121.012970 °	30
25	4.10	4.10	Earthen Levee	Trim / Thin Trees	WS	M	Trim trees to at least five feet above ground level.	37.432470 ° -121.013368 °	37.432470 ° -121.013368 °	14
26	4.11	4.11	Earthen Levee	Trim / Thin Trees	LS	M	Trim trees to at least five feet above ground level.	37.432392 ° -121.013322 °	37.432392 ° -121.013322 °	15
27	5.13	5.13	Earthen Levee	Encroachments	LS	U	Pipe Inspector Comments: Landowner modify pipe structure and cut into landside slope without permission from CVFPB. See field investigation report for more detail.	37.427210 ° -120.999288 °	37.477210 ° -120.992880 °	50 Y
28	6.03	6.19	Earthen Levee	Vegetation	LS	M	Remove the wild growth other than native grasses from the levee slopes.	37.416498 ° -120.997435 °	37.415155 ° -120.999809 °	38
29	6.04	6.08	Earthen Levee	Vegetation	WS	C	Remove the wild growth other than native grasses from the levee slopes.	37.416308 ° -120.997531 °	37.415877 ° -120.998125 °	37
30	6.89	6.89	Earthen Levee	Trim / Thin Trees	LS	M	Trim trees to at least five feet above ground level.	37.411785 ° -120.993548 °	37.411785 ° -120.993548 °	39
31	7.08	7.08	Earthen Levee	Slope Stability	LS	C	Repair slope instability.	37.409112 ° -120.992027 °	37.409112 ° -120.992027 °	40
32	8.71	8.76	Earthen Levee	Encroachments	LS	C	Agricultural tilling	37.396642 ° -120.971443 °	37.396086 ° -120.971029 °	974

*** Location**

LS : Land Side
WS : Water Side
CR : Crown

**** Rating**

A : Acceptable
M : Minimally Acceptable
U : Unacceptable
PO : Partially Obstructing
CO : Completely Obstructing
N : Not Inspected
C : Corrected

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2009

Reclamation District No. 2063 Crows Landing

Waterway						Bank	Unit Miles	Inspection Start/End	Inspector	
Unit No. 01 San Joaquin River						Right	10.63	11/04/2009 11/04/2009	Richard Willoughby	

LMR No	Levee Mile		Category	Item	Location *	Rating **	Action/Comment	GPS Latitude/Longitude		Issue No. Photo
	Start	End						Start	End	
33	8.88	9.60	Earthen Levee	Encroachments	LS	C	Agricultural tilling	37.394627 ° -120.969972 °	37.390706 ° -120.959601 °	975
34	9.60	10.32	Earthen Levee	Vegetation	LS	M	Remove the wild growth other than native grasses from the levee slopes.	37.390682 ° -121.959533 °	37.390546 ° -120.946710 °	989
35	9.60	10.32	Earthen Levee	Vegetation	WS	M	Remove the wild growth other than native grasses from the levee slopes.	37.390682 ° -120.959533 °	37.390546 ° -120.946714 °	990
36	10.38	10.62	Earthen Levee	Crown Surface / Depressions / Rutting	CR	M	Add appropriate gravel or road base. Grade and compact.	37.390557 ° -120.945715 °	37.390508 ° -120.941290 °	47

*** Location**

LS : Land Side
WS : Water Side
CR : Crown

**** Rating**

A : Acceptable
M : Minimally Acceptable
U : Unacceptable
PO : Partially Obstructing
CO : Completely Obstructing
N : Not Inspected
C : Corrected

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2009

Reclamation District No. 2063 Crows Landing

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	10.63	11/04/2009 11/04/2009	Richard Willoughby

Levee Mile Report Line	9
Start Levee Mile	1.92
End Levee Mile	1.92
Location	Water Side
Category	Interior Drainage & Piping Systems
Item	Sluice / Slide Gates
Screw gate buried on landside slope at LM 1.92	
richard_20091104_79.jpg	



Levee Mile Report Line	14
Start Levee Mile	2.66
End Levee Mile	2.66
Location	Water Side
Category	Interior Drainage & Piping Systems
Item	Flap Gates
Flap gate blocked at LM 2.66	
richard_20091104_80.jpg	



Levee Mile Report Line	14
Start Levee Mile	2.66
End Levee Mile	2.66
Location	Water Side
Category	Interior Drainage & Piping Systems
Item	Flap Gates
Front view of blocked flap gate at LM 2.62	
richard_20091104_81.jpg	

*** Location**

LS : Land Side
WS : Water Side
CR : Crown

**** Rating**

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

PO : Partially Obstructing
CO : Completely Obstructing
N : Not Inspected

C : Corrected

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2009

Reclamation District No. 2063 Crows Landing

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	10.63	11/04/2009 11/04/2009	Richard Willoughby

Levee Mile Report Line	27
Start Levee Mile	5.13
End Levee Mile	5.13
Location	Land Side
Category	Earthen Levee
Item	Encroachments

View of cut into landside slope

richard_20091104_83.jpg



Levee Mile Report Line	27
Start Levee Mile	5.13
End Levee Mile	5.13
Location	Land Side
Category	Earthen Levee
Item	Encroachments

View of concrete stand pipe and encased pipe on landside toe.

richard_20091104_84.jpg



*** Location**

LS : Land Side
WS : Water Side
CR : Crown

**** Rating**

A : Acceptable PO : Partially Obstructing C : Corrected
M : Minimally Acceptable CO : Completely Obstructing
U : Unacceptable N : Not Inspected